

## ABSTRACT

The object of the present invention is to provide a carbon nanotube composition that does not impair the characteristics of the carbon nanotubes itself, allows the carbon nanotubes to be dispersed or solubilized in a solvent, does not cause separation or aggregation of the carbon nanotubes even during long-term storage, has superior electrical conductivity, film formability and moldability, can be easily coated or covered onto a base material, and the resulting coated film has superior moisture resistance, weather resistance and hardness; a composite having a coated film composed thereof; and, their production methods. In order to achieve this object, the present invention provides a carbon nanotube composition that contains a conducting polymer (a) or heterocyclic compound trimer (i), a solvent (b) and carbon nanotubes (c), and may additionally contain a high molecular weight compound (d), a basic compound (e), a surfactant (f), a silane coupling agent (g) and colloidal silica (h) as necessary; a composite having a coated film composed of the composition; and, their production methods.